



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Tae Wan KIM, et.al.  
SERIAL NO. : 10/553,647  
FILED : October 14, 2005  
FOR : RESIN COMPOSITION FOR MOLD USED IN FORMING  
MICROPATTERN, AND METHOD FOR FABRICATING  
ORGANIC MOLD THEREFROM

**REQUEST FOR CORRECTED FILING RECEIPT**

M/S: APPLICATION BRANCH, CUSTOMER CORRECTIONS  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

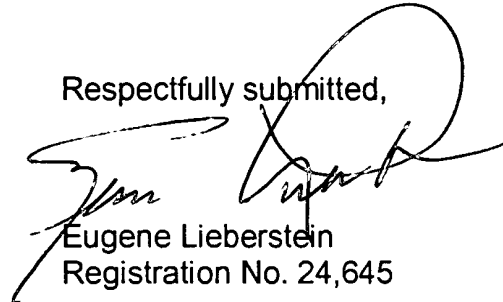
S I R:

An error has been found in the attached filing receipt for the captioned application.

The priority application number reads "PCT/KR04/00860" but instead should read "PCT/KR2004/000860".

The original Filing Receipt is attached hereto with the correction noted in red. The issuance of a corrected receipt would be appreciated.

Respectfully submitted,



Eugene Lieberstein  
Registration No. 24,645


Dated June 30, 2006

CUSTOMER NO. 01109

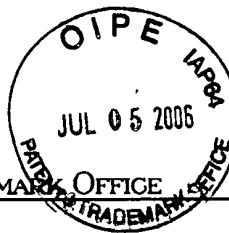
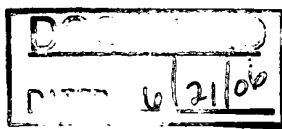
ANDERSON KILL & OLICK, P.C.  
1251 Avenue of the Americas  
New York, New York 10020-1182  
(212) 278-1000

**MAILING CERTIFICATE**

I hereby certify that this Request for Corrected Filing Receipt w/attachment is being deposited with the U.S. Postal Service as first class mail in an envelope addressed: Commissioner for Patents, M/S: Application Branch, Customer Corrections, P.O. Box 1450, Alexandria, VA 22313-1450 on June 30, 2006.



Audrey de Souza

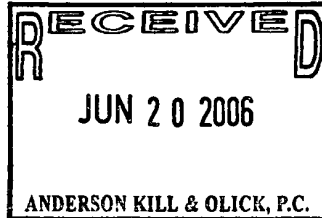


UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
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 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/553,647	10/14/2005	1732	450	DE1657	4	11	3

1109  
 ANDERSON, KILL & OLICK, P.C.  
 1251 AVENUE OF THE AMERICAS  
 NEW YORK, NY 10020-1182



CONFIRMATION NO. 5573

FILING RECEIPT



\*OC000000019196457\*

Date Mailed: 06/13/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

**Applicant(s)**

Tae Wan Kim, Seoul, KOREA, REPUBLIC OF;  
 Pil Jin Yoo, Seoul, KOREA, REPUBLIC OF;

**Power of Attorney:** The patent practitioners associated with Customer Number **1109**.

**Domestic Priority data as claimed by applicant**

This application is a 371 of PCT/KR04/00860 04/14/2004

*KR2004/000860*

**Foreign Applications**

REPUBLIC OF KOREA 10-2003-0023432 04/14/2003

**Projected Publication Date:** 09/14/2006

**Non-Publication Request:** No

**Early Publication Request:** No

**\*\* SMALL ENTITY \*\***

**Title**

Resin composition for mold used in forming micropattern, and method for fabricating organic mold therefrom

**Preliminary Class**

264

**PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject

matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



UNITED STATES PATENT AND TRADEMARK OFFICE

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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/553,647	Tae Wan Kim	DE1657

INTERNATIONAL APPLICATION NO.
-------------------------------

PCT/KR04/00860

I.A. FILING DATE	PRIORITY DATE
04/14/2004	04/14/2003

1109

ANDERSON, KILL & OLICK, P.C.  
 1251 AVENUE OF THE AMERICAS  
 NEW YORK, NY 10020-1182

CONFIRMATION NO. 5573

371 ACCEPTANCE LETTER



\*OC000000019196458\*

Date Mailed: 06/13/2006

### NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.495

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

<u>10/14/2005</u>	<u>10/14/2005</u>
DATE OF RECEIPT OF 35 U.S.C. 371(c)(1), (c)(2) and (c)(4) REQUIREMENTS	DATE OF COMPLETION OF ALL 35 U.S.C. 371 REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE " FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 (c)(1), (c)(2) and (c)(4) REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363). Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- Indication of Small Entity Status
- Copy of the International Application filed on 10/14/2005
- Copy of the International Search Report filed on 10/14/2005
- Copy of IPE Report filed on 10/14/2005
- Oath or Declaration filed on 10/14/2005
- Small Entity Statement filed on 10/14/2005
- Request for Immediate Examination filed on 10/14/2005
- U.S. Basic National Fees filed on 10/14/2005
- Assignment filed on 10/14/2005
- Priority Documents filed on 10/14/2005
- Power of Attorney filed on 10/14/2005

- Specification filed on 10/14/2005
- Claims filed on 10/14/2005
- Abstracts filed on 10/14/2005
- Drawings filed on 10/14/2005

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Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

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WINSTON M ALVARADO  
Telephone: (703) 308-9140 EXT 206

PART 1 - ATTORNEY/APPLICANT COPY

FORM PCT/DO/EO/903 (371 Acceptance Notice)

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

DE1657

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

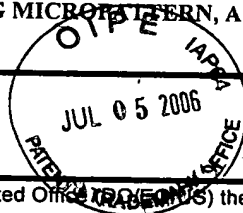
INTERNATIONAL APPLICATION NO.  
PCT/KR2004/000860INTERNATIONAL FILING DATE  
14 APRIL 2004PRIORITY DATE CLAIMED  
14 APRIL 2003

## TITLE OF INVENTION

RESIN COMPOSITION FOR MOLD USED IN FORMING MICRO PATTERN, AND METHOD FOR FABRICATING ORGANIC MOLD THEREFROM

## APPLICANT(S) FOR DO/EO/US

Tae Wan KIM and Pil Jin YOO



Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

## Items 13 to 23 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. EV 569721200 US
23. ☒ Other items or information:

4 SHEETS DRAWINGS, FIG.S 1-4B



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO. <b>PCT/KR2004/000860</b>		ATTORNEY'S DOCKET NUMBER <b>DE1657</b>	
The following fees are submitted:				<b>CALCULATIONS</b>	
24. <input checked="" type="checkbox"/> Basic national fee				\$300	\$300.00
25. <input checked="" type="checkbox"/> Examination fee				\$100	\$200.00
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).				\$200	
All other situations.				\$500	
26. <input checked="" type="checkbox"/> Search fee				\$100	
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority				\$400	
International Search Report prepared and provided to the Office				\$500	
All other situations.				\$400.00	
<b>TOTAL OF 24, 25 and 26 =</b>				\$900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)		RATE	
31 - 100 =	0 /50 =	0		x \$250.00	\$0.00
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).					\$
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	11 - 20 =	0	x	\$50.00	\$0.00
Independent claims	2 - 3 =	0	x	\$200.00	\$0.00
MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00					\$0.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>					\$900.00
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.					\$450.00
<b>SUBTOTAL =</b>					\$450.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					\$0.00
<b>TOTAL NATIONAL FEE =</b>					\$450.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +					\$0.00
<b>TOTAL FEES ENCLOSED =</b>					\$450.00
					Amount to be \$
					Amount to be \$
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.					
b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>01-1944</u> in the amount of <u>\$450.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>01-1944</u> . A duplicate copy of this sheet is enclosed.					
d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO:					
CUSTOMER NUMBER 001109					
				SIGNATURE	
				Eugene Lieberstein	
				NAME	
				24,645	
				REGISTRATION NUMBER	

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **Tae Wan KIM, et al.**

Docket No.

**DE1657**

Serial No.

Filing Date

Examiner

Group Art Unit

Invention: **RESIN COMPOSITION FOR MOLD USED IN FORMING MICROPATTERN, AND METHOD FOR FABRICATING ORGANIC MOLD THEREFROM**

I hereby certify that the following correspondence:

**PCT Patent Application w/attachments***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on October 14, 2005

*(Date)***Audrey de Souza***(Typed or Printed Name of Person Mailing Correspondence)*  
*(Signature of Person Mailing Correspondence)***EV 569721200 US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**